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TRADEMARK OFFICE 1105

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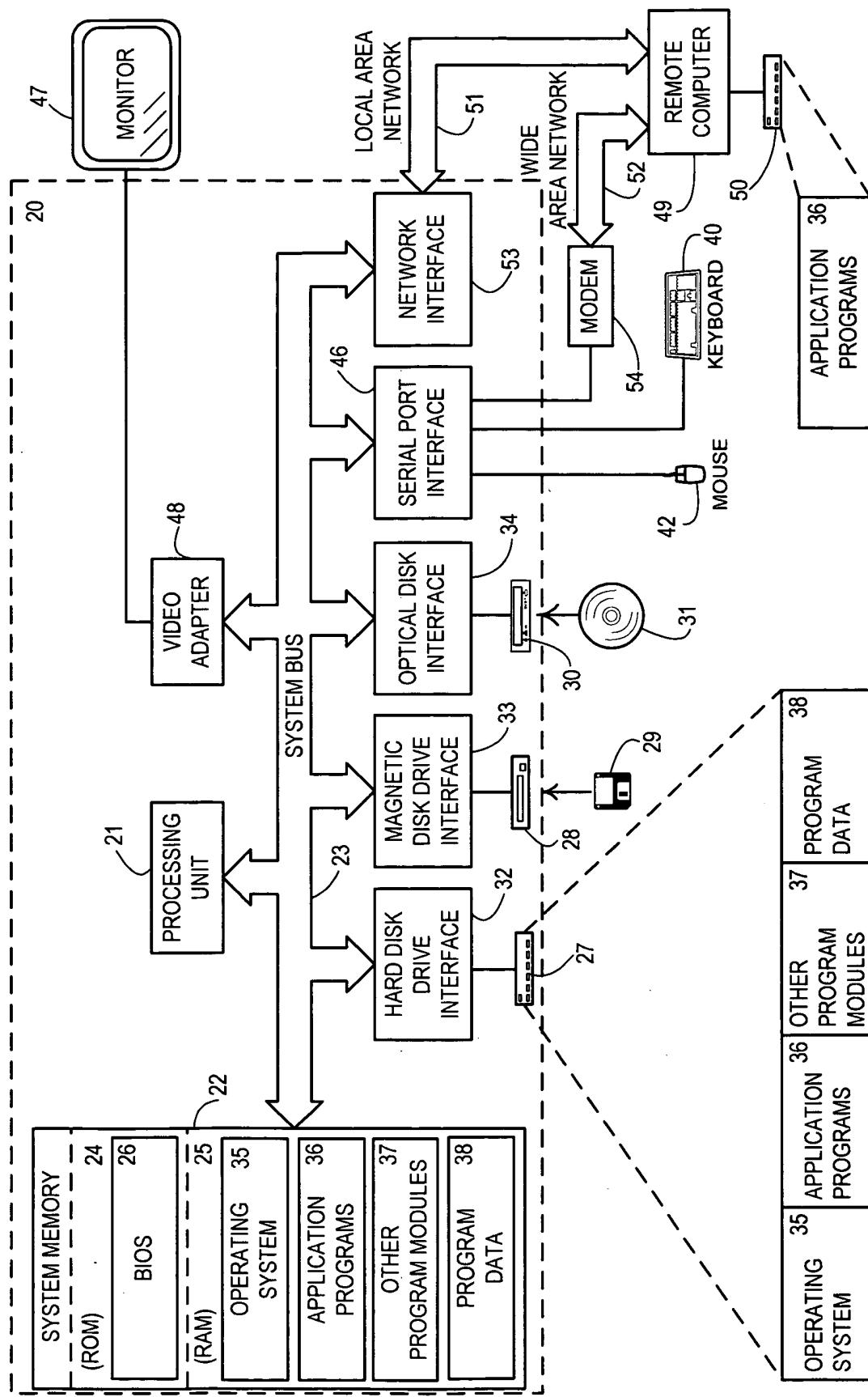


FIG. 1

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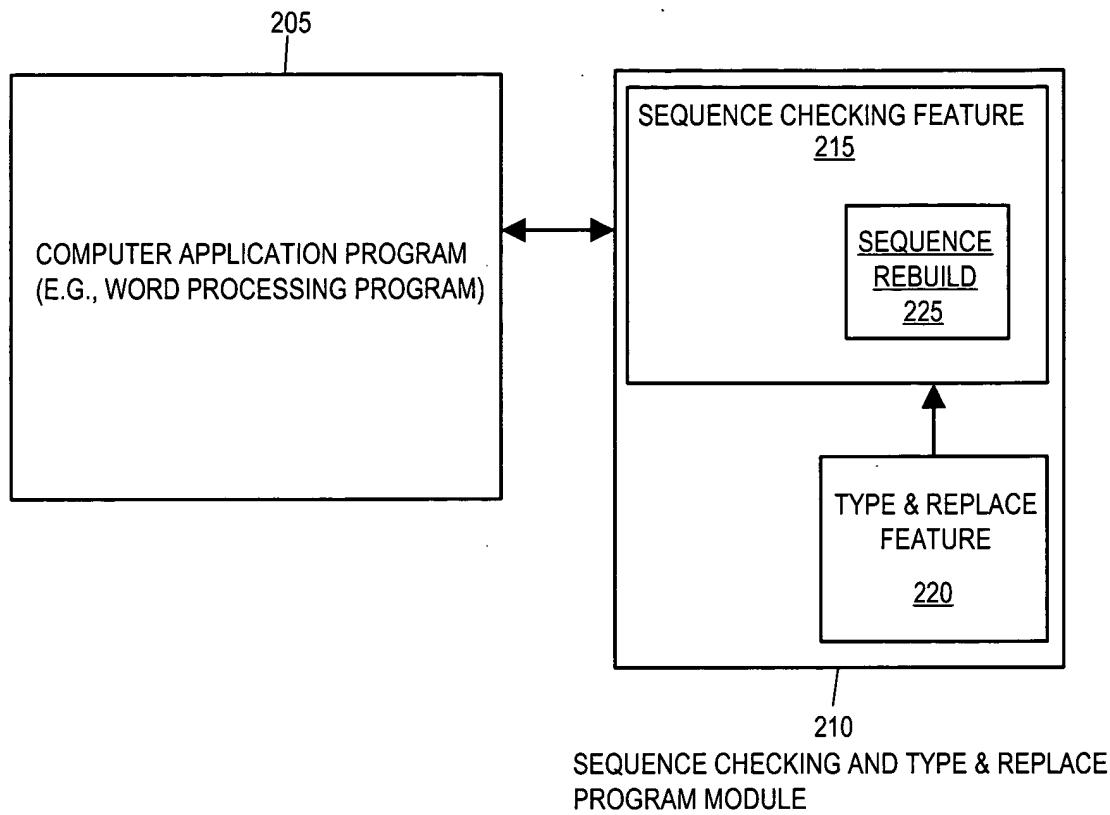


FIG. 2

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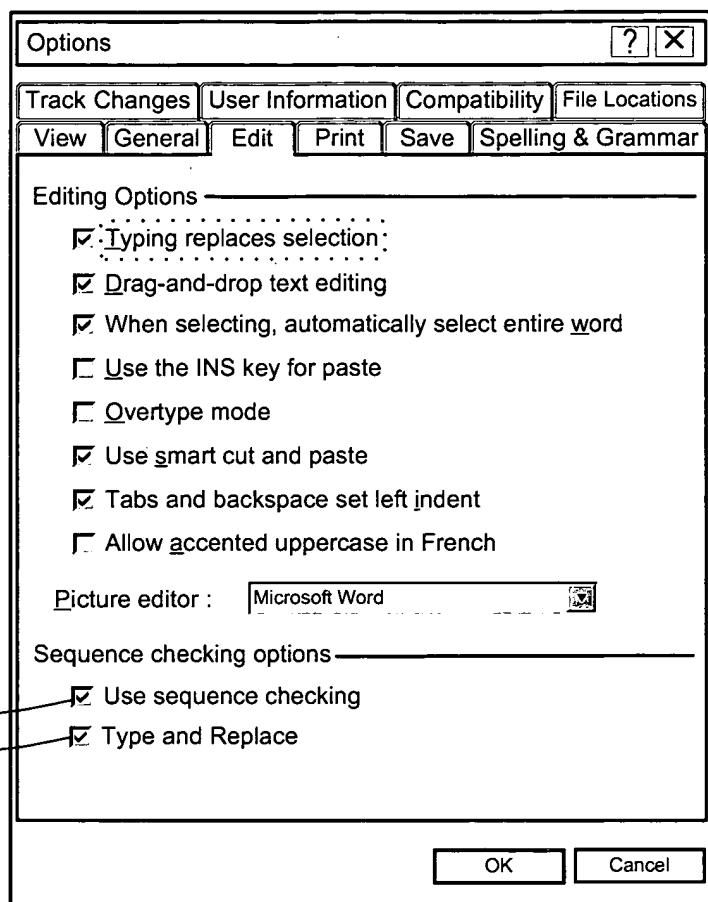


FIG. 3

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CHARACTER	CONTEXT	STATE	0	CTRL	Space	NON1	NON2	LT	LV1	LV2	LV3	LV4	CONS	TONE	AD1	AD2
	initial	0	0	1a	3a	2a	*4a	5a	8A	20a	23a	27a	32a			
	CTRL	*1	0													
	NON1	2	0													
	Space	*3	0					*4a								
	N2	4	0													
	LT	5	0													
	LTFV4	6	0													
	LTFV2	7	0													
	LV1	8							40aCa23	20r	23r	27r	9a			
	LV1C	9	0										19a	37d2a	36a	
	LV1CAV1	10	0										11a	348d3a	36	
	LV1CAV1T	11	0										11r	346d4r	36dr	
	LV1CAV3	12	0										13a	37d3r	36	
	LV1CAV3T	13	0										13r	37d4dr	36dr	
	LV1CFV1	14	0										19r	37d3r	36	
	LV1CTFV4	15	0										15r2	37d4dr	36dr	
	LV1CFV4FV1	16	0										1712	37dd3r	36dr	
	LV1CTFV4FV1	17	0										1713	37d5dr	36ddr	
	LV1CFV4	18	0										151	37d3r	36	
	LV1CT	19	0										18r	37d3r	36	
	LV2	20							8r	20r	23r	27r	21a			
	LV2C	21	0										22a	37d2a	38d2a	
	LV2CT	22	0										22r	37d3r	38d3r	
	LV3	23							8r	20r	27r	24a				
	LV3C	24	0										66a	37d2a	25a	
	LV3CAD2	25	0										66r	37d3r		
	LV3CFV1	26	0										69r	37d3r	25	
	LV4	27							8r	20r	23r	28a				
	LV4C	28	0										29a	37d2a	38d2a	
	LV4CT	29	0										29r	37d3r	38d3r	
	LV4CTFV1	30	0										30r2	37d4dr	38d4dr	
	LV4CFV1	31	0										301	37d3r	38d3r	
	C	32	0										60a	37a	38a	
	CFV1	33	0										611	37r	38	
	CFV3	34	0										621	37r	38	
	CFV4	35	0										631	37r	38	
	LV1CAD2	36	0										*19r	37d3r		
	CAD1	37	0										60r		38	
	CAD2	38	0										60r	37r		
	CAD3	39	0										60r	37r	38	
	LV1LV1	40								20dr	23d	27dr	41a			
	LV1LV1C	41	0										67a	37d3d2a	47a	
	CAD3FV4	42	0										62r2FV3r	37dr	38dr	
	CAD4	43	0										60r	37r	38	
	CAV1	44	0										45a	46a	38	
	CAV1T	45	0										45r	46r	38dr	
	CAV1AD1	46	0										45r		38dr	
	LV1LV1CAD2	47	0										67r	37d4d3r		
	LV1LV1CFV1	48	0										159r	37d4d3r	47r	
	CAV2	49	0										50a	37r	38	
	CAV2T	50	0										50r	37dr	38dr	
	CAV3	51	0										52a	37r	38	
	CAV3T	52	0										52r	37dr	38dr	
	CAV4	53	0										54a	37r	38	
	CAV4T	54	0										54r	37dr	38dr	
	CBD	55	0										60r	37r	38	
	CBV1	56	0										57a	58a	38	
	CBV1T	57	0										57r	58r	38dr	
	CBV1AD1	58	0										57r		38dr	
	LV1LV1CTFV1	59	0										59r2	37d5d4dr	47dr	
	CT	60	0										60r	37r	38	
	CTFV1	61	0										61r2	37dr	38dr	
	CTFV3	62	0										62r2	37dr	38dr	
	CTFV4	63	0										63r2	37dr	38dr	
	CBV2	64	0										65a	37r	38	
	CBV2T	65	0										65r	37dr	38dr	
	LV3CT	66	0										66r	37d3r	25r	
	LV1LV1CT	67	0										67r	37d4d3r	47	
	LV1CTFV1	68	0										68r2	37d4dr	36dr	
	LV3CTFV1	69	0										69r2	37d4dr	25dr	
	CFV4FV1	70	0										63d1	37dr	38dr	

FIG. 4-1

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FIG. 4-2

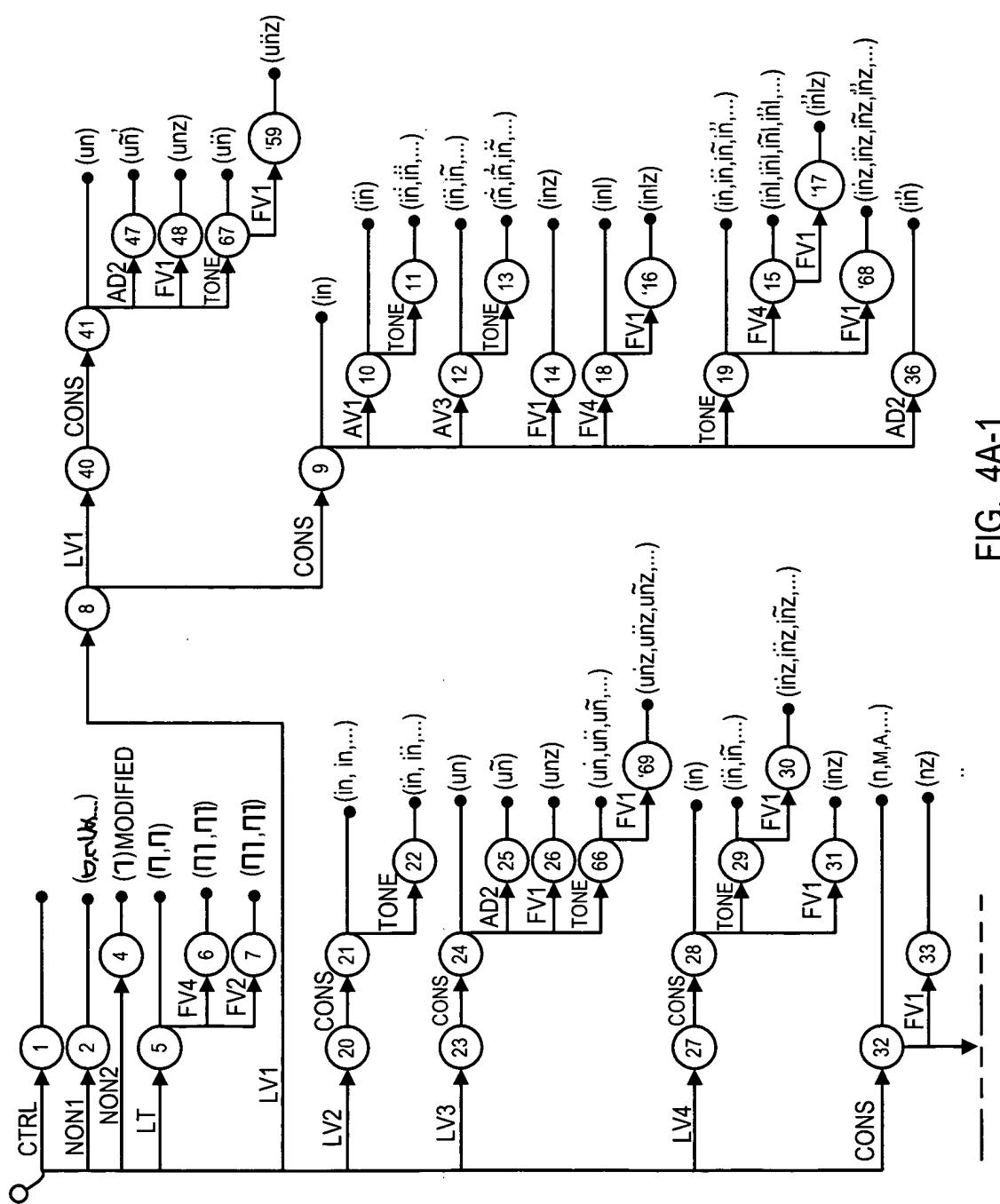


FIG. 4A-1

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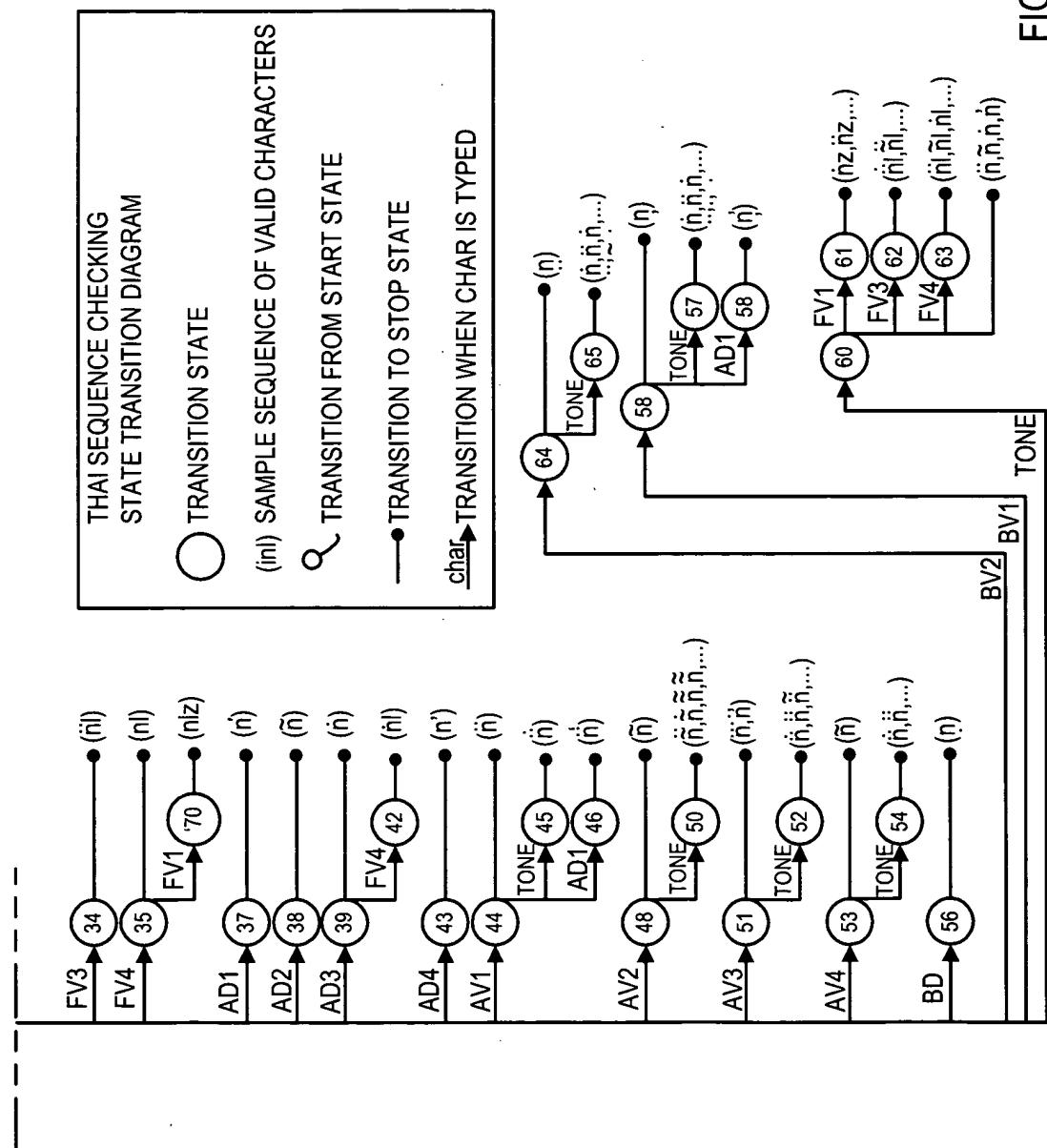


FIG. 4A-2

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CHARACTER	STATE	ind_c hars	abbr	delimit	number	Ind_vo w el	norm_ conso	virama nukta	ext_vo w el	vow el sign	accent	zero width chars	Zw
CONTEXT		ic	Ab	D	Nb	iv	Nc	Ec	V	Na	Dv	Vs	Ac
initial	0	0	1a	2a	3a	4a	5a	9a	10a				
ic	1	0											
Ab	2	0											
D	3	0											
Nb	4	0											
iv	5	0											
ivAc	6	0											
ivVs	7	0											
ivVsAc	8	0											
Nc	9	10											
NcNa	10	0											
NcNaV	11	12											
NcNaVZc	12	*											
NcNaVZNc	13	10											
NcNaDv	14	0											
NcNaDvAc	15	0											
NcNaDvVs	16	0											
NcNaDvVsAc	17	0											
NcNaVs	18	0											
NcNaVsAc	19	0											
NcNaAc	20	0											

FIG. 5

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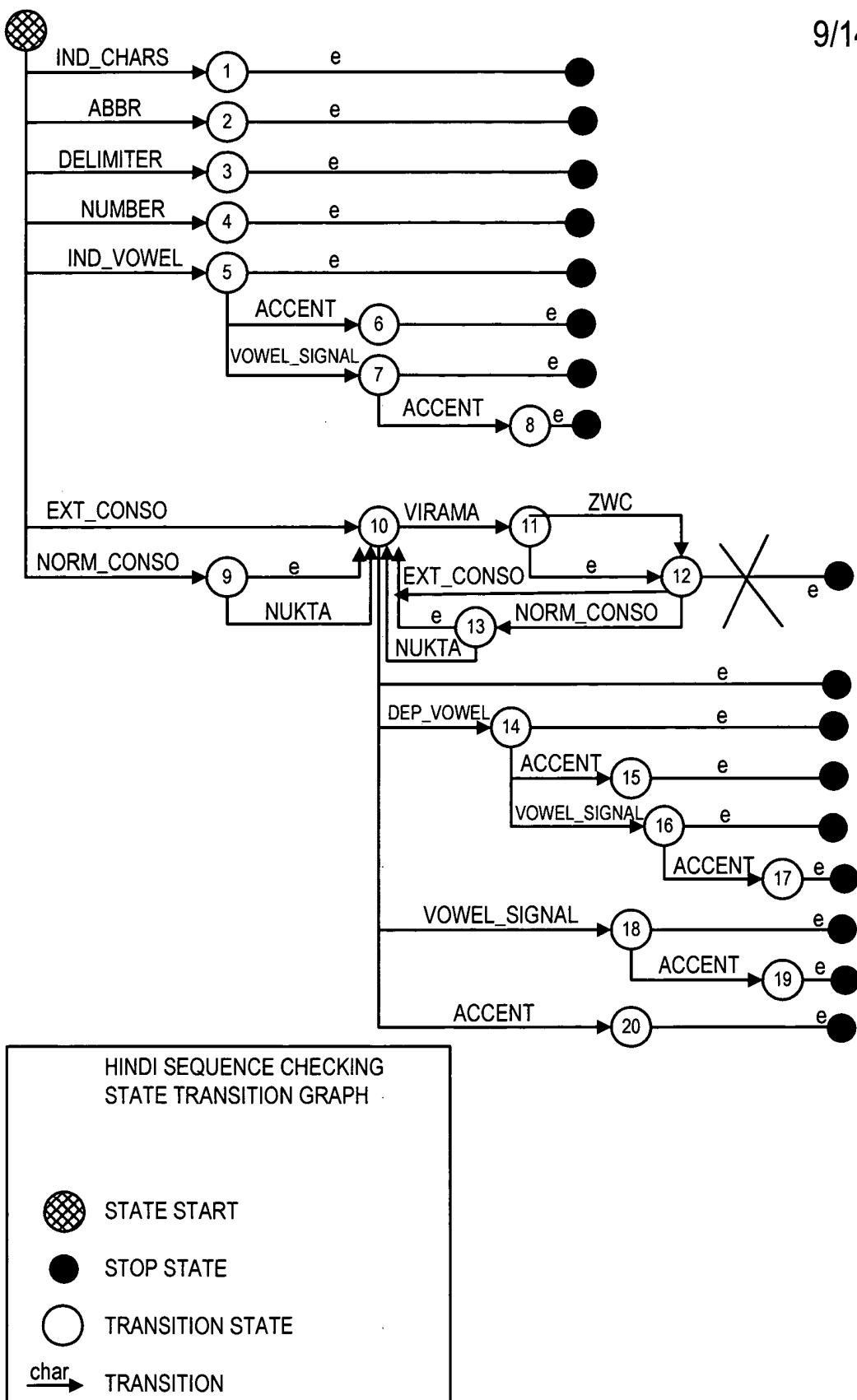


FIG. 5A

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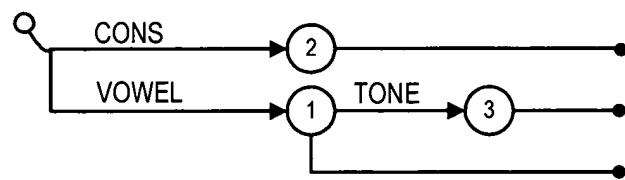


FIG. 6A

CHARACTER	{}	VOWEL	TONE	CONS
		V	T	C
initial	0	0	1a	2a
V	1	0		3a
C	2	0		
VT	3	0		3r

FIG. 6

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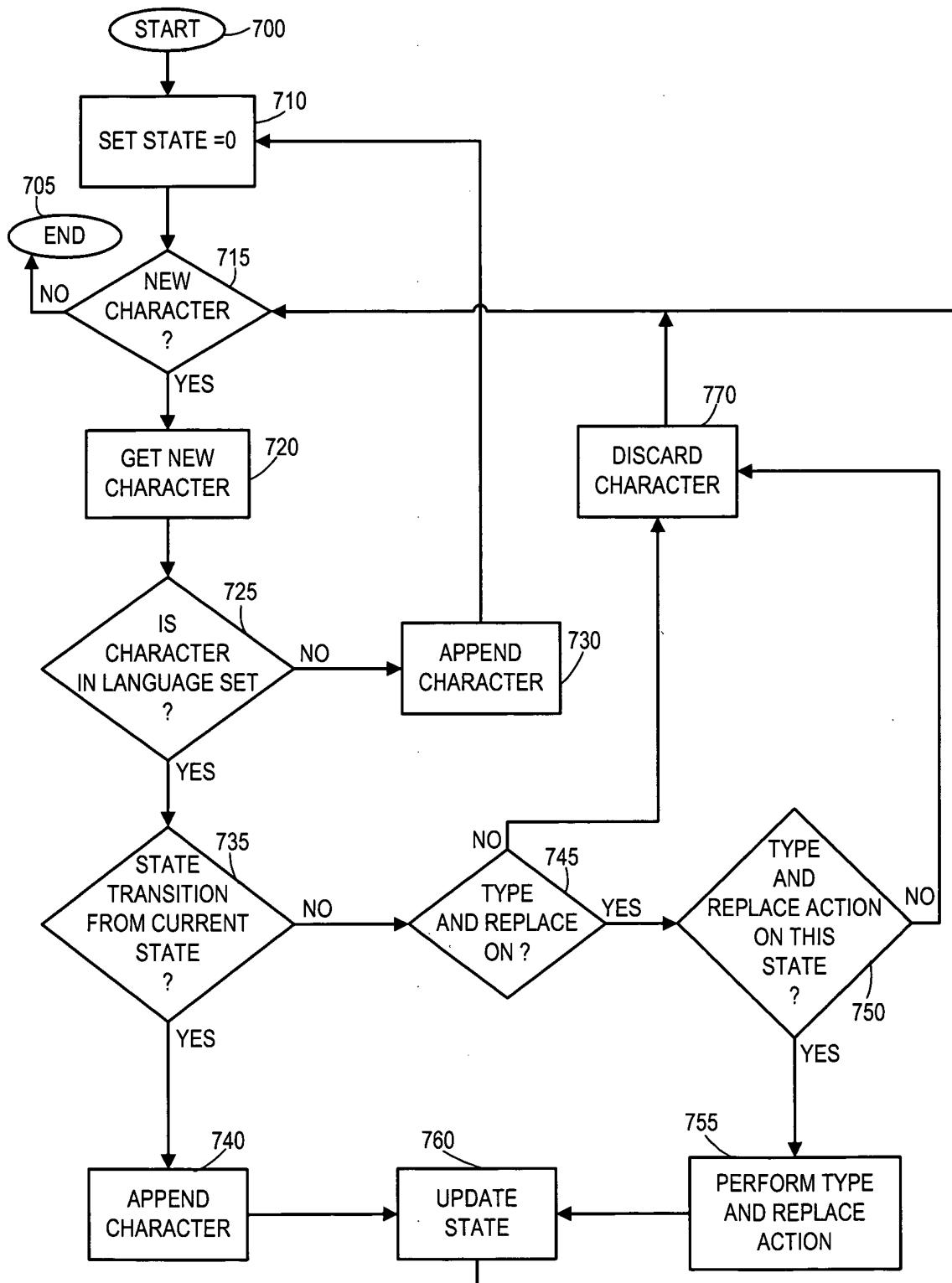


FIG. 7

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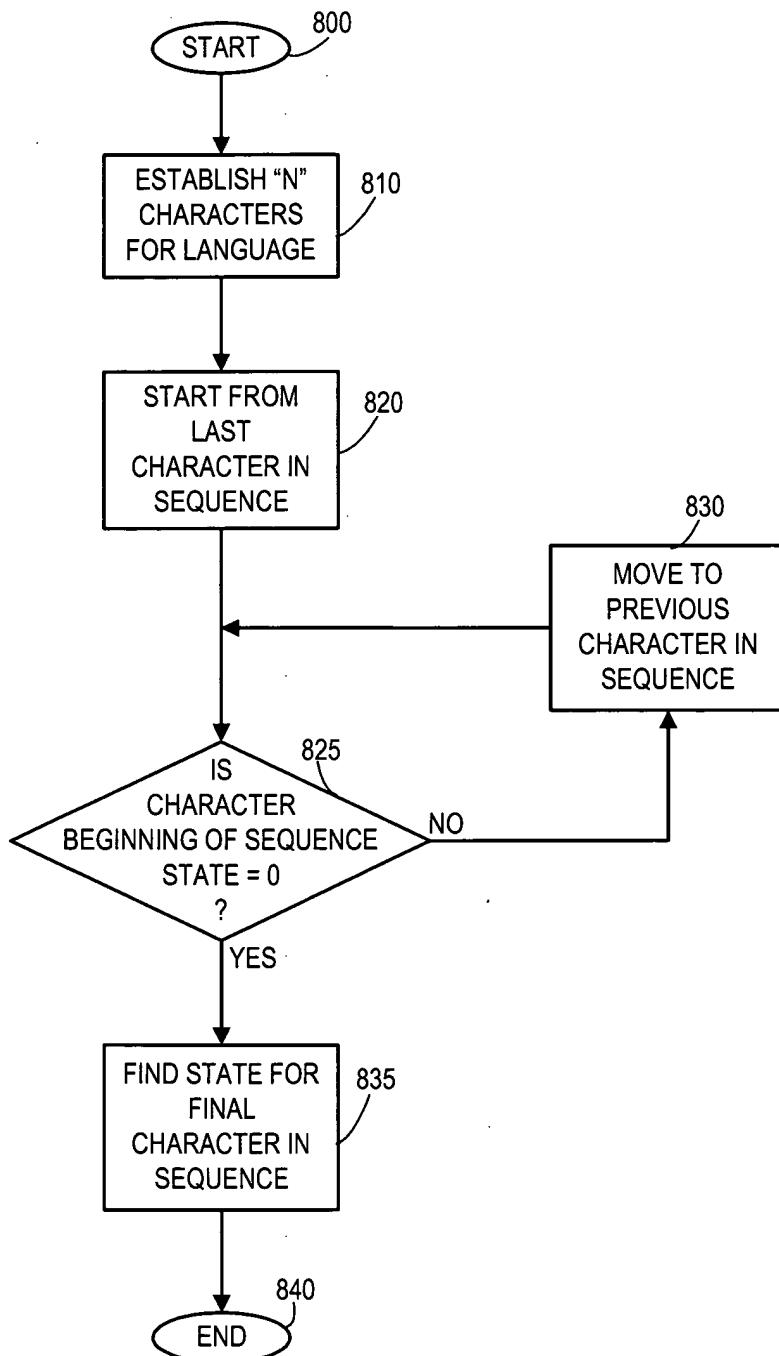


FIG. 8

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SYMBOL	INDEX	ACTION	EXAMPLE
Char a	IP	Append the character char	AB → Ca → ABC
Char I [n]	IP-n where n>0	Insert the character Char at the index location (before the ith character from the right)	ABD → Ci] → ABCD
d [1]	IP-1	Remove the previous character	AB → d → A
dn	IP-n where n>1	Remove the character at the index location	ABC → d2 → AC
Char r[1]	IP-1	Replace the previous character with Char	AC → Br → AB
Char rn	IP-n where n>1	Replace the character Char at the index location with the new character	ADC → Br2 → ABC
Cxy		Contextual information (this does not necessarily generate an action) for a possible character composition by the client application. In the Thai transition table "x" has the following values: "a" for composing the last 2 characters into LV3 (Sara-AE) or "b" for composing the last 2 characters into FV3 (Sara-Am). "y" indicates the number of the next transition state.	ABC → Cx2 → AD (if x composes B and C into D)

FIG. 9

SYMBOL	ACTION	EXAMPLE
FV3r	Substitute the last character with FV3	→ FV3r →

FIG. 9A

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KEYBOARD INPUT	OUTPUT
ક	ક
ૻ	ક્
ક	કક
્	કક્ણ

FIG. 10

KEYBOARD INPUT	OUTPUT
ક	ક
ૻ	ક્
્	ક્

FIG. 11

KEYBOARD INPUT	OUTPUT
ક	ક
ૻ	ક્
ય	ક્ય
્	ક્યિ
.	ક્યિં
૩	ક્યો

FIG. 12